| INFOR | MAT | ION DI | SCLOS | URE C | TATIO | TA V | TY. DOC | CKET N | O. PC1949 | 2A | SEF | RIAL NO | 10/58 | 4.443 | | |
|---------------------|-----------------------------------|--------|-------|-------|-----------|-------|--------------------------------------|----------------------|-----------|--------------|--------|-----------|----------|-------------------------------|--|--|
| ı | (Use several sheets if necessary) | | | | | | | APPLICANT Jaume Pons | | | | | | | | |
| ,- | | | | | | | FILING DATE June 21, 2006 GROUP 1643 | | | | | | | | | |
| | | | | | | U.S | . PATE | NT DOC | UMENTS | | A | | | | | |
| EXAMINER INITIAL | | | | DO | CUMENT NO | JMBER | | | DATE | NAME | | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE | | |
| | US | 5 | 6 | 0 | 4 | 2 | 0 | 2 | 18 Feb 97 | Kessler, et | al. | 514/12 | | | | |
| | US | 4 | 8 | 1_ | 6 | 5 | 6 | 7 | 28 Mar 89 | Cabilly, et | al. | 530/387 | | | | |
| | US | 5 | 5 | 4 | 5 | 8 | 0 | 7 | 13 Aug 96 | Surani, et | al. | 800/2 | | | | |
| | us | 5 | 5 | 4 | 5 | 8 | 0 | 6 | 13 Aug 96 | Lonberg, et | al. | 800/2 | | | | |
| | us | 5 | 5 | 6 | 9 | 8 | 2 | 5 | 29 Oct 96 | Lonberg, et | al. | 800/2 | | | | |
| | us | 5 | 6 | 2 | 5 | 1 | 2 | 6 | 29 Apr 97 | Lonberg, et | al. | 800/2 | | | | |
| | US | 5 | 6 | 3 | 3 | 4 | 2 | 5 | 27 May 97 | Lonberg, et | al. | 800/2 | | | | |
| | us | 5 | 6 | 6 | 1 | 0 | 1 | 6 | 26 Aug 97 | Longberg, e | t al. | 435/172.3 | | | | |
| | US | 5 | 7 | 5 | 0 | 3 | 7 | 3 | 12 May 98 | Garrard, et | al. | 435/69.4 | | | | |
| | US | 5 | 5 | 0 | 0 | 3 | 6 | 2 | 19 Mar 96 | Robinson, e | t al. | 435/7.23 | | | | |
| | US | 5 | 8 | 2 | 1 | 3 | 3 | 7 | 13 Oct 98 | Carter, et a | al. | 530/387.3 | | | | |
| | US | 4 | 6 | 7 | 6 | 9 | 8 | 0 | 30 Jun 87 | Segal, et a | al. | 424/85 | | | | |
| | US | 5 | 8 | 0 | 7 | 7 | 1 | 5 | 15 Sep 98 | Morrison, et | al. | 435/69.6 | | | | |
| | US | 5 | 8 | 6 | 6 | 6 | 9 | 2 | 2 Feb 99 | Shitara, et | al. | 536/23.1 | | | | |
| | US | 6 | 3 | 3 | 1 | 4 | 1 | 5 | 18 Dec 01 | Cabilly, et | al. | 435/69.6 | | | | |
| | us | 5 | 5 | 3 | 0 | 1 | 0 | 1 | 25 Jun 96 | Queen, et | al. | 530/387.3 | | | | |
| | us | 5 | 6 | 9 | 3 | 7 | 6 | 1 | 2 Dec 97 | Queen, et | al. | 536/23.53 | | | | |
| | us | 5 | 6 | 9 | 3 | 7 | 6 | 2 | 2 Dec 97 | Queen, et | al. | 530/387.3 | | | | |
| | us | 5 | 5 | 8 | 5 | 0 | 8 | 9 | 17 Dec 96 | Queen, et | al. | 424/133.1 | | | | |
| | us | 6 | 1 | 8 | 0 | 3 | 7 | 0 | 30 Jan 01 | Queen, et | al. | 435/69.6 | | | | |
| | US | 5 | 2 | 2 | 5 | 5 | 3 | 9 | 6 Jul 93 | Winter | | 530/387.3 | | | | |
| | US | 6 | 5 | 4 | 8 | 6 | 4 | 0 | 15 Apr 03 | Winter | | 530/387.1 | | | | |
| | US | 5 | 9 | 9 | 7 | 8 | 6 | . 7 | 7 Dec 99 | Waldmann, e | et al. | 424/154.1 | | | | |
| | US | 5 | 0 | 4 | 7 | 3 | 3 | 5 | 10 Sep 91 | Paulson, et | al. | 435/69.1 | | | | |
| | US | 5 | 5 | 1 | 0 | 2 | 6 | 1 | 23 Apr 96 | Gooochee, e | et al. | 435/240.2 | | | | |
| | US | 5 | 2 | 7 | 8 | 2 | 9 | 9 | 11 Jan 94 | Wong, et a | ıl. | 536/53 | | | | |
| | us | 5 | 2 | 1 | 9 | 7 | 4 | 0 | 15 Jun 93 | Miller, et a | d. | 435/69.6 | | | | |

| INFOR | MAT | ION DIS | SCLOS | URE CI | TATION | AT | TY. DOC | KET N | O. PC1949 | 2A | SERIAL NO | . 10/58 | 4,443 | 3 |
|-------|-----------------------------------|---------|-------|-----------|--------|------|---------------------------------|----------------------|-----------|-------------|----------------|----------|-------|---|
| (U | (Use several sheets if necessary) | | | | | | | APPLICANT Jaume Pons | | | | | | |
| | | | | | | | FILING DATE June 21, 2006 GROUP | | | GROUP | 1643 | | | |
| | US | 4 | 7 | 7 | 7 | 1 | 2 | 7 | 11 Oct 88 | Suni, et a | . 435/5 | | | |
| | US | 7 | 3 | 0 | 6 | 7 | 9 | 3 | 11 Dec 07 | Haddada, et | al. 424/93.2 | | | |
| | us | 5 | 8 | 1 | 4 | 4 | 8 | 2 | 29 Sep 98 | Dubensky, e | t al. 435/69.3 | | | |
| | US | 5 | 5 | 8 | 0 | 8 | 5 | 9 | 3 Dec 96 | Felgner, et | al. 514/44 | | | |
| | US | 5 | 4 | 2 | 2 | 1 | 2 | 0 | 6 Jun 95 | Kim | 424/450 | | | |
| | US | 5 | | 8 | 1 | | 6 | 5 | 9 Nov 99 | Kunz, et a | i. 514/411 | | | |
| | US | 4 | 7 | 8 | | 6 | 1 | 5 | 27 Nov 84 | Regen | 260/403 | | | |
| | US | 4 | | 4 | 4 | | 4 | 5 | 1 Oct 85 | Ryan, et a | l. 424/1.1 | | | |
| | us | 5 | ε | 1 | | | 5 | 5 | 7 May 91 | Woodle, et | al. 424/450 | | | |
| | US | 3 | 7 | | | 8 | 1 | 5 | 20 Nov 73 | Boswell, et | al. 424/19 | | | |
| | US | 2005 | 00 | 8 | | | 2 | 5 | 28 Apr 05 | Shelton | 424/146.1 | | | _ |
| | us | 4 | | 8 | 4 | 8 | 3 | 2 | 10 Jun 08 | Devaux, et | al. 424/142.1 | | | |
| | | | | | | | | | | | | | | _ |
| | | | | | | FORE | GN PAT | ENT D | OCUMENT | S | | | | |
| | | | DO | CUMENT NU | IMBER | | | | DATE | COUNTRY | CLASS | SUBCLASS | TRANS | i |
| | | | | | | | | | | | | | YES | ļ |
| | wo | 0 | 1 | 9 | 8 | 3 | 6 | 1 | 27 Dec 01 | Internation | al C07K | | | ļ |
| | wo | 9 | 4 | 0 | 4 | 6 | 9 | 0 | 3 Mar 94 | Internation | al C12N | | | ļ |
| | wo | 9 | 1_ | 0 | 0 | 3 | 6 | 0 | 10 Jan 91 | Internation | al C12P | | | ļ |
| | wo | 9 | 2 | 2 | 0 | 3_ | 7 | 3 | 26 Nov 92 | Internation | al A61K | | | ļ |
| | wo | 9 | 9 | 5 | 8 | 5 | 7 | 2 | 11 Nov 99 | Internation | al C07K | | | 1 |
| | wo | 04 | 0 | 5 | 8 | 1 | 8 | 4 | 15 Jul 04 | Internation | al A61K | | | l |
| | wo | 8 | 7_ | 0 | 4 | 4 | 6_ | 2 | 30 Jul 87 | Internation | al C12N | | | 1 |
| | wo | 9 | 0 | 0 | 7 | 9 | 3 | 6 | 26 Jul 90 | Internation | al A61K | | | |
| | wo | 9 | 4 | 0 | 3 | 6 | 2 | 2 | 17 Feb 94 | Internation | al C12N | | | l |
| | wo | 9 | 3 | 2 | 5 | 6 | 9 | 8 | 23 Dec 93 | Internation | al C12P | | | |
| | wo | 9 | 3 | 2 | 5 | 2 | 3 | 4 | 23 Dec 93 | Internation | al A61K | | | 1 |
| | wo | 9 | 3 | 11 | 1 | 2 | 3 | 0 | 10 Jun 93 | Internation | al C12N | | | l |
| | | | I | 1 | 1 | | ı | ı | 1 | ı | 1 | 1 | 1 | 1 |

| INFORM | ATIO | N DIS | CLOS | URE CIT | ATION | AT | TY. DOC | KET NO | D. PC1949 | 2A | SER | IAL NO. | 10/58 | 4.443 | |
|-----------------------------------|------------|---|-------------|------------|------------|------------------------------|----------------------|-----------|--------------|--|--------|---------|-------|-------|---|
| (Use several sheets if necessary) | | | | | | | APPLICANT Jaume Pons | | | | | | | | |
| | | | | | FIL | FILING DATE June 21, 2006 GF | | | GRO | OUP | 1643 | | | | |
| v | <i>1</i> 0 | 9 | 1 | 0 | 2 | 8 | 0 | 5 | 7 Mar 91 | Internation | al | C12N | | | |
| G | В | 2 | 2 | 0 | 0 | 6 | 5 | 1 | 10 Aug 88 | Great Brita | in | C12N | | | |
| Е | Р | 0 | 3 | 4 | 5 | 2 | 4 | 2 | 6 Feb 89 | Europear | | C12N | | | х |
| w | 10 | 9 | 1 | 0 | 0 | 9 | 0 | 4 | 24 Jan 91 | Internation (English equiv of EP03452 | alent | C12N | | | |
| w | 10 | 9 | 4 | 1 | 2 | 6 | 4 | 9 | 9 Jun 94 | Internation | al | C12N | | | |
| W | 0 | 9 | 3 | 0 | 3 | 7 | 6 | 9 | 4 Mar 93 | Internation | al | A61K | | | |
| W | 10 | 9 | 3 | 1 | 9 | 1 | 9 | 1 | 30 Sep 93 | Internation (English Equiv is US 7,306,7 | alent | C12N | | | × |
| v | 0 | 9 | 4 | 2 | 8 | 9 | 3 | 8 | 22 Dec 94 | International | | A61K | | | |
| , v | 0 | 9 | 5 | 1 | 1 | 9 | 8 | 4 | 4 May 95 | Internation | al | C12N | | | |
| w | ю | 9 | 5 | 0 | 0 | 6 | 5 | 5 | 5 Jan 95 | Internation | al | C12N | | | |
| w | ю | 9 | 5 | 0 | 7 | 9 | 9 | 4 | 23 Mar 95 | Internation | al | C12N | | | |
| w | 0 | 9 | 6 | 1 | 7 | 0 | 7 | 2 | 6 Jun 96 | Internation | al | C12N | | | |
| w | 0 | 9 | 5 | 3 | 0 | 7 | 6 | 3 | 16 Nov 95 | Internation | al | C12N | | | |
| w | 0 | 9 | 7 | 4 | 2 | 3 | 3 | 8 | 13 Nov 97 | Internation | al | C12N | | | |
| w | o | 9 | 0 | _ 1 | 1 | 0 | 9 | 2 | 4 Oct 90 | Internation | al | A61K | | | |
| w | 0 | 9 | 5 | 1 | 3 | 7 | 9 | 6 | 26 May 95 | Internation | al | A61K | | | |
| w | 0 | 9 | 4 | 2 | 3 | 6 | 9 | 7 | 27 Oct 94 | Internation | al | A61K | | | |
| w | 0 | 9 | 1 | 1 | 4 | 4 | 4 | 5 | 3 Oct 91 | Internation | al | A61K | | | |
| E | Р | 0 | 5 | 2 | 4 | 9 | 6 | 8 | 7 Jun 95 | European | | A61K | | | |
| w | 0 | 0 | 0 | 5 | 3 | 2 | 1 | 1 | 15 Sep 00 | Internation | al | A61K | | | |
| | | | | | | | | | | | | | | | |
| | | | ОТНЕ | R DOC | UMEN | S (Inc | luding A | uthor, T | tle, Date, i | Pertinent Pag | ges, E | Etc.) | | | |
| | | Urfer, e | et al., J.B | iol. Chem. | , Vol. 273 | (10), pp | . 5829-584 | 10 (1998) | | | | | | | |
| | | Barbacid, J. Neurobiol., Vol. 25, pp. 1386-1403 (1994) | | | | | | | | | | | | | |
| | | Barbacid, Ann. New York Aced. Sci., Vol. 766, pp. 442-458 (1995) | | | | | | | | | | | | | |
| | | Rydén, et al., J. Biol. Chem., Vol. 271(10), pp. 5623-5627 (1996) | | | | | | | | | | | | | |
| | | Belliveau, et al., J. Ceil. Biol., Vol. 136, pp. 375-388 (1997) | | | | | | | | | | | | | |

/Anne M. Gussow/

| INFORMATION DISCLOSURE CITATION | ATTY. DOCKET NO. PC19492A | SERIAL NO. | 10/584,443 | | | | | | |
|--|---|--|------------|--|--|--|--|--|--|
| (Use several sheets if necessary) | APPLICANT Jaume Pons | anoun. | 4040 | | | | | | |
| | FILING DATE June 21, 2006 | GROUP | 1643 | | | | | | |
| Fariñas, et al., Neuron, Vol. 21, pp. 32 | 25-334 (1998) | | | | | | | | |
| Chaudhry, et al., Muscle and Nerve, \ | Chaudhry, et al., Muscle and Nerve, Vol. 23, pp. 189-192 (2000) | | | | | | | | |
| Haase, et al., J. Neurol. Sci., Vol. 160 | , pp. S97-S105 (1998) | | | | | | | | |
| Helgren, et al., J. Neurosci., Vol. 17(1 |), pp. 372-382 (1997) | | | | | | | | |
| Armour, et al., Eur. J. Immunol., Vol. 2 | 29, pp. 2613-2624 (1999) | | | | | | | | |
| McCafferty, et al., Nature, Vol. 348, p | p. 552-554 (1990) | | | | | | | | |
| Vaughan, et al., Nature Biotech., Vol. | 14, pp. 309-314 (1996) | | | | | | | | |
| Sheets, et al., PNAS (USA), Vol. 95, p | ор. 6157-6162 (1998) | | | | | | | | |
| Hoogenboom, et al., J. Mol. Biol., Vol. | . 227, pp. 381-388 (1991) | | | | | | | | |
| Marks, et al., J. Mol. Biol. Vol. 222, pp | o. 581-597 (1991) | | | | | | | | |
| Boerner, et al., J. Immunol., Vol. 147(| 1), p. 86-95 (1991) | | | | | | | | |
| Al-Lazikani, et al., J. Mol. Biol., Vol. 2 | 73, pp. 927-948 (1997) | | | | | | | | |
| Shelton, et al., J. Neurosci., Vol. 15(1) | | | | | | | | | |
| Ravetch, et al., Ann. Rev. Immunol., \ | /ol. 9, pp. 457-92 (1991) | | | | | | | | |
| Capel, et al., Immunomethods, Vol. 4, | pp. 25-34 (1994) | | | | | | | | |
| de Haas, et al., J. Lab. Clin. Med., Vo | I. 126, pp. 330-341 (1995) | | | | | | | | |
| Guyer, et al., J. Immunol., Vol. 117, p | p. 587-593 (1976) | | | | | | | | |
| Gazzano-Santoro, et al., J. Immunol. | Methods, Vol. 202, pp. 163-171 (1997) | | | | | | | | |
| Clynes, et al., PNAS (USA), Vol. 95, p | | | | | | | | | |
| Sadick, et al., Exp. Cell. Res., Vol. 23- | | | | | | | | | |
| Bird, et al., Science, Vol. 242, pp. 423 | | | | | | | | | |
| Holliger, et al., PNAS (USA), Vol. 90, | | , , , , , , , , , , , , , , , , , , , | | | | | | | |
| Poljak, et al., Structure, Vol. 2, pp. 112 | | ************************************** | | | | | | | |
| Suresh, et al., Methods in Enzymolog | | | | | | | | | |
| Millstein, et al., Nature, Vol. 305, pp. 5 | | | | | | | | | |
| Jefferis, et al., Chem. Immunol., Vol. 6 | | | | | | | | | |
| Wright, et al., TibTECH, Vol. 15, pp. 2 | | | | | | | | | |
| | | | | | | | | | |
| Boyd, et al., Mol. Immunol., Vol. 32(17 | | | | | | | | | |
| Wittwer, et al., Biochemistry, Vol. 29, | pp. 4175-4160 (1990) | | | | | | | | |

| INFORMA | ATION DISCLOSURE CITATION | ATTY. DOCKET NO. PC19492A | SERIAL NO. | 10/584,443 | | | | | | | |
|--------------------------------------|--|---|------------------------------------|---------------------------|--|--|--|--|--|--|--|
| (Use | several sheets if necessary) | APPLICANT Jaume Pons | | | | | | | | | |
| | | FILING DATE June 21, 2006 | GROUP | 1643 | | | | | | | |
| | Wyss, et al., Current Opin. Biotech., V | /ol. 7, pp. 409-416 (1996) | | | | | | | | | |
| | Umaña, et al., Nature Biotech., Vol. 17, pp. 176-180 (1999) | | | | | | | | | | |
| | Hsu, et al., J. Biol. Chem., Vol. 272; p | Hsu, et al., J. Biol. Chem., Vol. 272; pp. 9062-9070 (1997) | | | | | | | | | |
| | Barbas, et al., PNAS (USA), Vol. 91, | Barbas, et al., PNAS (USA), Vol. 91, pp. 3809-3813 (1994) | | | | | | | | | |
| | Schier, et al., Gene, Vol. 169, pp. 147 | Schier, et al., Gene, Vol. 169, pp. 147-155 (1996) | | | | | | | | | |
| | Yelton, et al., J. Immunol., Vol. 155(4) |), pp. 1994-2004 (1995) | | | | | | | | | |
| | Jackson, et al., J. Immunol., Vol. 154 | Jackson, et al., J. Immunol., Vol. 154(7), pp. 3310-3319 (1995) | | | | | | | | | |
| | Hawkins, et al., J. Mol. Biol., Vol. 226 | (3), pp. 889-896 (1992) | | | | | | | | | |
| | Balint, et al., Gene, Vol. 137(1), pp. 1 | 09-118 (1993) | | | | | | | | | |
| | Wilbur, et al., PNAS(USA), Vol. 80, pp | Wilbur, et al., PNAS(USA), Vol. 80, pp. 726-730 (1983) | | | | | | | | | |
| | Mahato, et al., Pharm. Res., Vol. 14(7 | Mahato, et al., Pharm. Res., Vol. 14(7), pp. 853-859 (1997) | | | | | | | | | |
| | Sevarino, et al., J. Biol. Chem., Vol. 2 | Sevarino, et al., J. Biol. Chem., Vol. 263(2), pp. 620-623 (1988) | | | | | | | | | |
| | Miura, et al., J. Blol. Chem., Vol. 269(| Miura, et al., J. Blol. Chem., Vol. 269(1), pp. 542-547 (1994) | | | | | | | | | |
| | Zenke, et al., PNAS(USA), Vol. 87(10 | Zenke, et al., PNAS(USA), Vol. 87(10), pp. 3655-3659 (1990) | | | | | | | | | |
| | Dickinson, et al., J. Biol. Chem., Vol. 2 | 266(1), pp. 334-338 (1991) | | | | | | | | | |
| | Curiel, et al., Hum. Gene Ther., Vol. 3 | , pp. 147-154 (1992) | | | | | | | | | |
| | Wu, et al., J. Biol. Chem., Vol. 264(29 |), pp. 16985-16987 (1989) | | | | | | | | | |
| | Philip, et al., Mol. Cell Biol., Vol. 14(4) | , pp. 2411-2418 (1994) | | | | | | | | | |
| | Eppstein, et al., PNAS(USA), Vol. 82, | pp. 3688-3692 (1985) | | | | | | | | | |
| | Hwang, et al., PNAS(USA), Vol. 77, p | p. 4030-4034 (1980) | | | | | | | | | |
| | Chattopadhyay, et al., Ann. Neurol., V | | | | | | | | | | |
| | Pisano, et al., Clin. Cancer Res., Vol. | Pisano, et al., Clin. Cancer Res., Vol. 9, pp. 5756-5767 (2003) | | | | | | | | | |
| | Tredici, et al., Exp. Neurol., Vol. 159, | pp. 551/558 (1999) | | | | | | | | | |
| EXAMINER | /Anne M. Gussow/ | DATE CONSIDERED | 09/17/2009 | | | | | | | | |
| EXAMINER: Initial next communication | if reference considered, whether or not citation is in confor to applicant. | mance with MPEP 609; Draw line through citation if not in confi | ormance and not considered. Includ | de copy of this form with | | | | | | | |

Conforms with FORM PTO-FB-A820

INFORMATION DISCLOSURE